

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: :  
Herman KWONG et al. : Group Art Unit: TBA  
Appln. No.: TBA : Examiner: TBA  
Filed: Herewith :  
For: CONTACT MAPPING USING :  
CHANNEL ROUTING :  
: :  
:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty under 37 C.F.R. § 1.56 of each individual associated with the filing and prosecution of the above-identified patent application (hereinafter, "associated individuals") to disclose all information known to that individual to be material to patentability, Applicants hereby submit attached Form PTO-1449 (modified) listing cited references. This submission is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure.

The cited references, while believed to be of some relevance, are not necessarily considered to teach or suggest any aspect of the invention described and claimed in the above-

identified patent application. Applicants hereby expressly reserve the right to swear behind the effective dates of any of the cited references. Applicants further reserve the right to question the relevance, materiality, and/or prior art status of any of the cited references in whole, in part, or in combination, subsequent to the filing of this information disclosure statement. This information disclosure statement is also not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. Rather, this information disclosure statement discloses only the best references of which the associated individuals are aware.

The Examiner is respectfully requested to consider each of the cited references, to indicate such consideration by initialing in the space provided next to each cited reference on the enclosed Form PTO-1449 (modified), to sign the initialed Form PTO-1449 (modified), and to return a copy of the same with the next communication to the Applicants.

Since copies of the cited references were previously submitted in prior U.S. Patent Application No. 10/126,700, now U.S. Patent 6,544,876, copies of the cited references are not being submitted herewith. However, copies will be forwarded at the request of the Examiner.

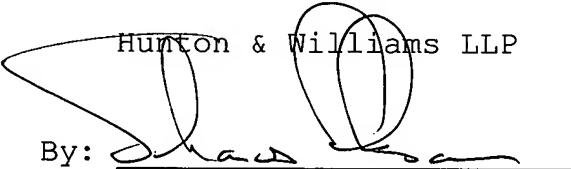
Patent Application  
Attorney Docket No.: 57983.000155  
Client Reference No.: 16117ROUS02I

In accordance with 37 CFR § 1.97(b), this information disclosure statement is being filed (i) within three months of the filing date of the above-identified patent application; (ii) within three months of the date upon which the above-identified patent application entered the national stage as set forth in 37 CFR § 1.491; or (iii) before the mailing date of a first Office Action on the merit for the above-identified patent application. Accordingly, no statement or fee is required.

Please charge any shortage in fees due in connection with the filing of this communication to Deposit Account No. 50-0206, and please credit any excess fees to such deposit account.

Respectfully submitted,

Hunton & Williams LLP

By: 

Thomas E. Anderson

Registration No. 37,063

TEA/cyc

Hunton & Williams LLP  
1900 K Street, N.W.  
Washington, D.C. 20006-1109  
Telephone: (202) 955-1500  
Facsimile: (202) 778-2201

Date: December 8, 2003

<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE</b> <b>(REV. 7-80) PATENT AND TRADEMARK OFFICE</b>				ATTY. DOCKET NO.: 57983.000155	SERIAL NO.: To be assigned
<b>LIST OF MATERIALS CITED BY APPLICANT</b>  <b>(Use several sheets if necessary)</b>				INVENTOR'S NAME: Herman KWONG et al	EXAMINER: To be assigned
				FILING DATE: Herewith	GROUP: To be assigned

#### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	1	5006820	04/09/1991	Prioste et al.			
	2	5281151	01/25/1994	Arima et al.			
	3	5451721	09/19/1995	Tsukada et al.			
	4	5544018	08/1996	Sommerfeldt et al.			
	5	5686764	11/11/1997	Fulcher			
	6	6194668	02/27/2001	Horiuchi et al.			
	7	6198635	03/2001	Shenoy et al.			
	8	6271478	08/07/2001	Horiuchi et al.			
	9	6310398	10/2001	Katz			
	10	6335493	01/01/2002	Horiuchi et al.			
	11	6388890	05/14/2002	Kwong et al.			
	12	6407343	06/2002	Tanaka			
	13	6452262	09/2002	Juneja			
	14	6521846	02/2003	Freda et al.			
	15	6545876	04/08/2003	Kwong et al.			

#### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO

#### OTHER MATERIALS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER	DATE CONSIDERED
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.